



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200
Fax 613 632-5246

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name	
PO041896	THY001-VC	2	1	Net 30	M6061T6B1.000X8.000	6061T6 Bar 1.000 X 8.000 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft				12	12/17/2018	12		S138931	Stock	12/18/2018	\$ 27.75 / ft	1		\$333.04	Thyssenkrupp Materials CA Ltd	
		3			M6061T6B2.500X03.500	6061-T6 Bar 2.50 X 3.50 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft						12		S138932	Stock	12/18/2018	\$ 30.36 / ft	1		\$364.27	Thyssenkrupp Materials CA Ltd	
		4			M6061T6S.125	6061-T6 .125 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf				32		32		S138922	Stock	12/18/2018	\$ 6.26 / sf	1		\$200.39	Thyssenkrupp Materials CA Ltd	
Total:										56			56								\$667.56	

Plex 12/19/2018 12:48 PM dart.Tollis Andrew



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO041896

Supplier: THY001-VC
Thyssenkrupp Materials CA Ltd
O/A VPK Metal- c/o T27540
PO Box 4275, Postal"A"
Toronto
ON
M5W 5V8 Canada
Phone: 905 669 9444
Fax: 905 738 9033

PO No: PO041896

PO Date: 11/29/18

Due Date: 12/7/18

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

E-MAILED
NOV 29 2018

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments:

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1		M6061T6B1.000X16.000		6061-T6 Bar 1.00 X 16.00 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	-	12/7/18	72 ft	0 ft	72 ft	\$68.127875/ft	\$4,905.21
2		M6061T6B1.000X8.000		6061T6 Bar 1.000 X 8.000 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	-	12/7/18	12 ft	0 ft	12 ft	\$27.75333/ft	\$333.04
3		M6061T6B2.500X03.500		6061-T6 Bar 2.50 X 3.50 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	-	12/7/18	12 ft	0 ft	12 ft	\$30.3558333/ft	\$364.27



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO041896**

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
4		M6061T6S.125		6061-T6 .125 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf	Firmed	-	12/7/18	32 sf	0 sf	32 sf	\$6.2621875/sf	\$200.39

Grand Total: \$5,802.91

Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 11/29/18 1:55 PM dart.lavoie.chantal

thyssenkrupp Materials NA, 4700 chemin du Bois-Franc, Saint-Laurent, QC H4S 1A7

DELIVERY NOTE



DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY ON K6A 1K7

DATE: 12/17/2018
DOC. NO: 2406432574*
BOL. NO: 2406432574
ORDER NO: 1403887066
YOUR P/O: PO041896
CUSTOMER NO: 10058125
Route: 303UA
CONTACT: Lucy Truglio
TEL:
FAX:
EMAIL: lucy.truglio@thyssenkrupp.com

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR TO SHIPPING.

ATTN: CHANTAL/LINDA

**** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER ****
**** REFERENCED ON IT ****

Deliveries are carried out for your account and risk acc. to our Gen. Terms & Cond. of Delivery and Payment.

ITEM	DESCRIPTION	NET QTY1 / QTY2	PACKAG
0010	ALREC00191		1009333656
	6061 T6511 Aluminum Extruded Rectangular	1 PC	
	1.00000 (+-.012) X 8.0000 (+-.054) X 144 Mill Length		
	Nominal Chemistry/Act Physical	112 lb	
	Standard Packaging		
TAGNUM	QTY	UOMVEND	VENDPO HLOT PCS --- COM
2001473482	1	PC EXTRUDEX	5400425199 42652 1
SAE AMS-QQ-A-200/8 1997;ROHS COMPLIANT;ASTM B 221 2014			

Total Gross Weight 119.000 lb

All items, not declared as partial delivery, are final quantities.
Delivery Terms: PPD gem. Incoterms 2000 Prepaid PREPAID

CERTIFICAT DE CONFORMITÉ/CERTIFICATE OF COMPLIANCE

*thyssenkrupp Matériaux NA certifie que le matériel décrit ci-dessus est conforme aux dessins ou spécifications exigés sur le bon de commande et qui sont en vigueur à la date ou la commande a été acceptée./ thyssenkrupp Materials NA certifies that the material described above is in accordance with the drawings or specifications called for on said order that are current on the date order was accepted.

*Nous certifions que le document reproduit ici est une copie conforme du rapport fourni par le fournisseur du matériel où les données résultent de l'analyse faite par un laboratoire qualifié/ We certify that the document reproduced here is true to the report provided by the equipment supplier where the data are the result of analysis by a qualified laboratory.

David Noordine - Director of Quality Assurance



<http://www.extrudex.com>

BILL TO

CERTIFICATION
ASTM B221-14 - AMS QQA 200/8

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness Rockwell E	Conductivity
A.11	6061	Dec/08/2018	41.20	37.60	13.80	87.6,88.4,88.9	

Chemical Composition

[illegible]

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

Grant Jardine
Plant Manager

1-CUSTOMER COPY

From: TK Materials CA, Ltd.
Cust. DART AEROSPACE LTD
CstAr
Wgt.: 112 LB

Del.: 2406432574
CstOr PO041896
Date 12/14/2018

Thomas Sanchez

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR

SPECIFICATION: QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 417/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221

PART NUMBER: M6061T6B | T.TTT | X | WWW.WWW | THICK | WIDTH

WHERE "T.TTT" = THICKNESS IN INCHES
"WWW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

RELEASED
R 2009-05-03
NAD

B	REMOVE QQ-A-250/1 OPTION REFORMAT NOT'S ADD ASTM B211/B221 (2N D7-1)	CP	09.07.13
A	NEW ISSUE	DS	01.06.08
REV.	DESCRIPTION	BY	DATE
DRAWN	DESIGN	DS	DART AEROSPACE LTD HAYKESBURY, ONTARIO, CANADA
CHECKED		DS	DRAWING NO
MFG. APPR.		DS	M6061T6B
APPROVED		DS	TITLE
DE APPR.		DS	6061-T6 BAR
DATE	09.07.13	SCALE	NTS

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ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT
MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM
OR BY ANY MEANS, ELECTRONIC OR MECHANICAL,
INCLUDING PHOTOCOPYING, RECORDING, OR BY
ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061 T6 B1.000 x 8.000

PO / BATCH NO.: P004896 / 5138932

DATE: 08/12/19

MATERIAL CERT REC'D: ~~YES~~ Yes

THICKNESS ORDERED: 1.000"

QUANTITY RECEIVED: 125

THICKNESS RECEIVED: 1.020"

QUANTITY INSPECTED: 125

SHEET SIZE ORDERED: —

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>(N)</u>	
CORRECT FINISH	<u>(Y)</u> N	
CORROSION	Y <u>(N)</u>	
CORRECT GRAIN DIRECTION	<u>(Y)</u> N	
CORRECT MATERIAL PER M-DRAWING	<u>(Y)</u> N	<u>ASTM B221</u>
CORRECT THICKNESS	<u>(Y)</u> N	
PHOTO REQUIRED	Y <u>(N)</u>	
CORRECT REF # TO LINK CERT	<u>(Y)</u> N	<u>HT: 42652</u>
CORRECT MATERIAL IDENTIFICATION	<u>(Y)</u> N	
CORRECT M# ON THE MATERIAL	<u>(Y)</u> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>(N)</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>(N)</u>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>61</u> DATE: <u>18/12/19</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

DELIVERY NOTE



DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY ON K6A 1K7

DATE: 12/17/2018
DOC. NO: 2406432575*
BOL. NO: 2406432575
ORDER NO: 1403887066
YOUR P/O: PO041896
CUSTOMER NO: 10058125
Route: 303UA
CONTACT: Lucy Truglio
TEL:
FAX:
EMAIL: lucy.truglio@thyssenkrupp.co
m

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR TO SHIPPING.
ATTN: CHANTAL/LINDA
**** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER ****
**** REFERENCED ON IT ****

Deliveries are carried out for your account and risk acc. to our Gen. Terms & Cond. of Delivery and Payment.

ITEM	DESCRIPTION	NET QTY1 / QTY2	PACKAG
0010	ALREC00186	1	1009333658
	6061 T6511 Aluminum Extruded Rectangular		PC
	2.50000 (+-.024) X 3.5000 (+-.024) X 144 Mill Length		
	Nominal Chemistry/Act Physical		126 lb
	Standard Packaging		
TAGNUM	QTY	UOMVEND	VENDPO HLOT PCS --- COM
2001473483	1	PC SERVICE C	5400428376 201822952 1
SAE AMS-QQ-A-200/8 1997;ROHS COMPLIANT;ASTM B 221 2014			

Total Gross Weight 126.000 lb

All items, not declared as partial delivery, are final quantities.
Delivery Terms: PPD gem. Incoterms 2000 Prepaid PREPAID

CERTIFICAT DE CONFORMITÉ/CERTIFICATE OF COMPLIANCE

*thyssenkrupp Matériaux NA certifie que le matériel décrit ci-dessus est conforme aux dessins ou spécifications exigés sur le bon de commande et qui sont en vigueur à la date où la commande a été acceptée./ thyssenkrupp Materials NA certifies that the material described above is in accordance with the drawings or specifications called for on said order that are current on the date order was accepted.

*Nous certifions que le document reproduit ici est une copie conforme du rapport fourni par le fournisseur du matériel où les données résultent de l'analyse faite par un laboratoire qualifié/ We certify that the document reproduced here is true to the report provided by the equipment supplier where the data are the result of analysis by a qualified laboratory.

David Noordine - Director of Quality Assurance



Service Center Metals

5850 Quality Way
Prince George, VA 23875

Can Do.



CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER	ITEM
970725	4

BILL TO	MANIFEST NUMBER	DATE OF SHIPMENT	CERTIFICATION
ThyssenKrupp Materials NA	387404	12/11/2018	ASTM-B221-14 StencilCont
SHIP TO	CUSTOMER PO	ALLOY/TEMPER	SPECIFICATION
ThyssenKrupp Materials NA-Concord, ON	5400428376	6061-T6511	SAE AMS-QQA-200/8A Stabilized
Quantity Certified	996 lbs	DESCRIPTION	RoHS 2011/65/EU Compliant
	8 pcs	ALREC00186	

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6.

All aluminum products supplied by Service Center Metals, LLC contain no functional mercury. Neither mercury nor its compounds are used in the manufacture of aluminum products at our facility. Furthermore, aluminum products supplied by Service Center Metals have not, to the best of our knowledge, contacted any source of mercury.

This product is RoHS-2, REACH, and DEARS compliant.

SCM is ISO 9001-2015 certified

Mechanical Properties

Tests	Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
1	201822952	12/3/18	min 52.80 max 52.80	min 47.80 max 47.80	min 17.10 max 17.10

Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Others		Melt Source:
												Each	Total	
001M181128B	201822952	6061	0.75	0.35	0.32	0.11	0.90	0.11	0.05	0.03	97.39	0.05	0.15	United States of America

FSCM products are melted and extruded in the USA

Cust. DART AEROSPACE LTD

CstAr

Wgt.: 126 LB

Del.: 2406432575

CstOr PO041896

Date 12/14/2018

Calvin J. Wiggins, Director of Quality & Technical Services

Print Date: 12/11/2018

REV 3/14/2018

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL 6061-T6/T651/T6510/T6511/T6512/T6513/T6514/T6515/T6516/T6517/T6518/T6519/T65110/T65111/T65112/T65113/T65114/T65115/T65116/T65117/T65118/T65119/T65120/T65121/T65122/T65123/T65124/T65125/T65126/T65127/T65128/T65129/T65130/T65131/T65132/T65133/T65134/T65135/T65136/T65137/T65138/T65139/T65140/T65141/T65142/T65143/T65144/T65145/T65146/T65147/T65148/T65149/T65150/T65151/T65152/T65153/T65154/T65155/T65156/T65157/T65158/T65159/T65160/T65161/T65162 ALUMINUM BAR

SPECIFICATION: QQ-A-225/B OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221

PART NUMBER: M6061T6B | T.TTT | X | WW.WWW
THICK | WIDTH

WHERE "T.TTT" = THICKNESS IN INCHES
"WW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

RELEASED
2009-05-03
NPD

B	REMOVE QQ-A-250/11 OPTION REFORMAT NOTES, ADD ASTM B211/B211 (Zn D7-1)	CP	09 07 13
A	NEW ISSUE	DS	01 06 08
REV	DESCRIPTION	BY	DATE
DESIGN	DS		
DRAWN			
CHECKED			
MFG APPR			
APPROVED			
DE APPR			
DATE	09.07.13		

DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWING NO	REV B
M6061T6B	SHEET 1 OF 1
TITLE	SCALE
6061-T6 BAR	NTS
COPYRIGHT © 2001 BY DART AEROSPACE LTD	

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M606176B2.500x3.500

PO / BATCH NO.: P0041896/S138932

DATE: 18/12/19

MATERIAL CERT REC'D: Yes

THICKNESS ORDERED: 2.500"

QUANTITY RECEIVED: 1254

THICKNESS RECEIVED: 2.500"

QUANTITY INSPECTED: 1254

SHEET SIZE ORDERED: —

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>(N)</u>	
CORRECT FINISH	<u>(Y)</u> N	
CORROSION	Y <u>(N)</u>	
CORRECT GRAIN DIRECTION	<u>(Y)</u> N	
CORRECT MATERIAL PER M-DRAWING	<u>(Y)</u> N	<u>ASTM B221</u>
CORRECT THICKNESS	<u>(Y)</u> N	
PHOTO REQUIRED	Y <u>(N)</u>	
CORRECT REF # TO LINK CERT	<u>(Y)</u> N	<u>MT: 201822952</u>
CORRECT MATERIAL IDENTIFICATION	<u>(Y)</u> N	
CORRECT M# ON THE MATERIAL	<u>(Y)</u> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>(N)</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>(N)</u>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>61</u> DATE: <u>18/12/19</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



DART

thyssenkrupp Materials NA, 4700 chemin du Bois-Franc, Saint-Laurent, QC H4S 1A7

DELIVERY NOTE



DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY ON K6A 1K7

DATE:	12/18/2018
DOC. NO:	2406433171*
BOL. NO:	2406433171
ORDER NO:	1403887066
YOUR P/O:	PO041896
CUSTOMER NO:	10058125
Route:	303UA
CONTACT:	Lucy Truglio
TEL:	
FAX:	
EMAIL:	lucy.truglio@thyssenkrupp.com

**MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.**

ATTN: CHANTAL/LINDA

**** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT ****

Deliveries are carried out for your account and risk acc. to our Gen. Terms & Cond. of Delivery and Payment.

ITEM	DESCRIPTION	NET QTY1 / QTY2	PACKAG
0010	ALFLR00088		1009337625
	6061 Aluminum T6 Sheet		1 PC
	0.12500 (+-.0045) X Width 48.0000 +.125 X Length 96 +.125		
	Plate Sawing - Standard		56.448 lb
	Nominal Chemistry/Act Physical		
	Standard Packaging		
TAGNUM	QTY	UOMVEND	VENDPO HLOT PCS --- COM
1014574715	1	PC SINOBEC T	5400425023 618360302 1
SAE AMS 4027 N;ROHS COMPLIANT;ASTM B209 2014			

Total Gross Weight 131.448 lb

All items, not declared as partial delivery, are final quantities.
Delivery Terms: PPD gem. Incoterms 2000 Prepaid PREPAID

DELIVERY NOTE

DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY ON K6A 1K7

DATE:	12/18/2018
DOC. NO:	2406433171 *
BOL. NO:	2406433171
ORDER NO:	1403887066
YOUR P/O:	PO041896
CUSTOMER NO:	10058125
Route:	303UA
CONTACT:	Lucy Truglio
TEL:	
FAX:	
EMAIL:	lucy.truglio@thyssenkrupp.co m

CERTIFICAT DE CONFORMITÉ/CERTIFICATE OF COMPLIANCE

*thyssenkrupp Matériaux NA certifie que le matériel décrit ci-dessus est conforme aux dessins ou spécifications exigés sur le bon de commande et qui sont en vigueur à la date ou la commande a été acceptée./ thyssenkrupp Materials NA certifies that the material described above is in accordance with the drawings or specifications called for on said order that are current on the date order was accepted.

*Nous certifions que le document reproduit ici est une copie conforme du rapport fourni par le fournisseur du matériel où les données résultent de l'analyse faite par un laboratoire qualifié/ We certify that the document reproduced here is true to the report provided by the equipment supplier where the data are the result of analysis by a qualified laboratory.

David Noordine - Director of Quality Assurance



MILL TEST CERTIFICATE

Certificate No.: P-180627-4408

Certificate No.: P-180627-4408							
Customer	SINOPEC TRADING INC.			Standard	ASTMB-209-2014		
Address	4455 RUE COUSENS SAINT-LAURENT QUEBEC, CANADA H4S 1x5						
Lot No.	618360302	Alloy/Temper	6061/T6	Order No.	P-18179B	Item No.	-
Product	Aluminium sheet	Specification inch	0.125*48.5*144.5	Quantity	-	Weight/kg	-

Chemical Composition (%)														
Element	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Zr	Ni	-	Others		Al
												Each	Total	
Standard Min.	0.40	0	0.15	0	0.8	0.04	0	0	-	-	-	≤0.05	≤0.15	Remain-der
Standard Max.	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	-	-	-			
Actual	0.64	0.30	0.28	0.11	1.10	0.23	0.04	0.02	-	-	-	<0.05	<0.15	

Item	Mechanical Properties					Corrosion		Nondestructive Testing		
	Tensile Strength ksi	Yield Strength ksi	Elongation A ₅₀ (%)	Bending	Hardness (HB/HV/HRC)	Intrec.	Exfor.	Ultrasonic	Conductance	
Standard/Min.	42	35	10	90°	-	-	-	-	-	
Standard/Max.	-	-	-	-	-	-	-	-	-	
Actual	44.7-47.3	38.7-41.9	14.5-15.0	Qualified	-	-	-	-	-	
Metallography		Cladding rate		Grain Size		Hydrogen Content (ml/100gAl)				
Macro.	Micro.	Standard	Actual	Standard	Actual	Standard	Actual	Standard	Actual	
-	-	-	-	-	-	-	-	-	-	

Note: MATERIAL CONFORMS TO ASTM B209-2014, AMS-QQ-A-250/11 AND AMS 4027 IN ALL RESPECTS.

NO.: 20184028

Version: 0

From: TK Materials CA, Ltd.

Cust. DART AEROSPACE LTD

CstAr

Wgt.: 56.448 LB

Del.: 2406433171

CstOr PO041896

Date 12/17/2018

Tomas Sanchez

SPECIFICATION CONTROL DRAWING

△ PURCHASE MATERIAL: 6061-T6762T651 ALUMINUM SHEET OR PLATE

SPECIFICATION:
QQ-A-250/11 OR AMS-QQ-A-250/11
OR AMS 4025 OR 4027
OR A81WB209

△ PART NUMBER: M6061T6S XXX X W.WWW
THK WIDTH

WHERE "XXX" = THICKNESS (IN INCHES)
AND "W.WWW" = WIDTH (IN INCHES, OPTIONAL, FOR SPECIFYING CUT PLATE)

EG. 0.063" THICK SHEET = M6061T6S.063
EG. 3.5" WIDE BY 0.500" THICK PLATE = M6061T6S.500X3.500

△ PREFERRED SIZE: .XXX BY 4FT BY 8FT FOR SHEET

C	ADD PLATE AND T651 SPEC	ML	17.12.13
B	REFORMAT DWG. ADD B209 SPEC (ZN DB-1). REF PAR 08-320A	CP	09.07.13
A	NEW ISSUE	RF	01.06.08
REV.	DESCRIPTION	BY	DATE
DESIGN	DS		
DRAWN	ML		
CHECKED	NO		
MFG. APPR.	JFS		
APPROVED	HS		
DE APPR.	CP		
DATE	17.12.13		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA
DRAWING NO. M6061T6S
TITLE 6061-T6 SHEET/PLATE SPEC
REV. C
SHEET 1 OF 1
SCALE NTS
COPYRIGHT © 2001 BY DART AEROSPACE LTD

RELEASED
2018 MAR 13
EJW 18-005

APPROVED

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061765.125
DATE: 18/12/19

PO / BATCH NO.: P0041816/S138922

MATERIAL CERT REC'D: Yes
QUANTITY RECEIVED: 325f
QUANTITY INSPECTED: 325f
QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.125"
THICKNESS RECEIVED: 0.125"
SHEET SIZE ORDERED: 4'x8'
SHEET SIZE RECEIVED: 4'x8'

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL PER M-DRAWING	(Y) N	ASTM B209
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT REF # TO LINK CERT	(Y) N	LT: 618360302
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>61</u> <u>9-89</u> DATE: <u>18/12/19</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in